## EAST Search History

| Ref # | Hits  | Search Query   | DBs                            | Default<br>Operator | Plurals | Time Stamp          |
|-------|-------|--|--------------------------------|---------------------|---------|---------------------|
| L1    | 16    | (US-20040192395-\$ or US-20040121740-\$ or US-20030045907-\$ or US-20030045907-\$ or US-20030142622-\$ or US-20050014464-\$ or US-20040266339-\$ or US-20040038810-\$). did. or (US-6549759-\$ or US-6526278-\$ or US-6549721-\$ or US-6377817-\$ or US-6317847-\$ or US-6417824-\$). did. of (US-6347847-\$ or US-6417824-\$). did. or US-6417824-\$). did. or US-6417824-\$). did. or US-6417824-\$). did. | US-PGPUB;<br>USPAT;<br>DERWENT | OR                  | ON      | 2008/05/27<br>03:24 |
| L2    | 4901  | (co adj channel) or co-<br>channel   | US-PGPUB;<br>USPAT             | OR                  | ON      | 2008/05/27<br>03:24 |
| L3    | 3     | 1 and 2  | US-PGPUB;<br>USPAT             | OR                  | ON      | 2008/05/27<br>03:25 |
| L4    | 2150  | asymetric asymetrical<br>nonsymetric<br>nonsymetircal (non adj<br>(symetric symetrical))   | US-PGPUB;<br>USPAT             | OR                  | ON      | 2008/05/27<br>03:27 |
| L5    | 15    | L4 with (alphabet symbol modulation)   | US-PGPUB;<br>USPAT             | OR                  | ON      | 2008/05/27<br>03:27 |
| L6    | 0     | 2 and 5  | US-PGPUB;<br>USPAT             | OR                  | ON      | 2008/05/27<br>03:27 |
| L7    | 869   | (forward (downlink)<br>(down adj link)) with<br>qpsk   | US-PGPUB;<br>USPAT             | OR                  | ON      | 2008/05/27<br>03:27 |
| L8    | 213   | (reverse uplink (up adj<br>link)) with qam   | US-PGPUB;<br>USPAT             | OR                  | ON      | 2008/05/27<br>03:27 |
| L9    | 23    | L7 same L8   | US-PGPUB;<br>USPAT             | OR                  | ON      | 2008/05/27<br>03:27 |
| L10   | 4     | 2 and 9  | US-PGPUB;<br>USPAT             | OR                  | ON      | 2008/05/27<br>03:27 |
| L11   | 68423 | common with channel  | US-PGPUB;<br>USPAT             | OR                  | ON      | 2008/05/27<br>03:36 |
| L12   | 7     | 9 and 11   | US-PGPUB;<br>USPAT             | OR                  | ON      | 2008/05/27<br>03:36 |
| S1    | 68    | karabinis\$.in.  | US-PGPUB;<br>USPAT             | OR                  | ON      | 2007/06/19<br>11:00 |
| S2    | 5     | S1 and alphabet  | US-PGPUB;<br>USPAT             | OR                  | ON      | 2005/10/17<br>10:58 |

| S3         | 7909   | communication and<br>alphabet   | US-PGPUB;<br>USPAT | OR | ON | 2005/10/17<br>10:58 |
|------------|--------|---|--------------------|----|----|---------------------|
| S4         | 2593   | ((wireless or rf or<br>radio) with<br>communication) and<br>alphabet                              | US-PGPUB;<br>USPAT | OR | ON | 2005/10/17<br>11:01 |
| S5         | 45204  | "375"/\$.ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2005/10/17<br>10:58 |
| S6         | 63377  | "370"/\$.ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2005/10/17<br>10:59 |
| <b>S</b> 7 | 69028  | "455"/\$.ccls.  | US-PGPUB;<br>USPAT | OR | ON | 2005/10/17<br>10:59 |
| S8         | 392    | S4 and S5   | US-PGPUB;<br>USPAT | OR | ON | 2005/10/17<br>10:59 |
| S9         | 200    | S4 and S6   | US-PGPUB;<br>USPAT | OR | ON | 2005/10/17<br>10:59 |
| S10        | 330    | S4 and S7   | US-PGPUB;<br>USPAT | OR | ON | 2005/10/17<br>10:59 |
| S11        | 186    | S4 and S7   | USPAT              | OR | ON | 2005/10/17<br>11:00 |
| S12        | 941670 | (transmit or<br>transmitting or<br>transmission or<br>modulate or<br>modulation or<br>modulating) | USPAT              | OR | ON | 2005/10/17<br>11:01 |
| S13        | 10732  | alphabet  | USPAT              | OR | ON | 2005/10/17<br>11:01 |
| S14        | 1042   | S12 same S13  | USPAT              | OR | ON | 2005/10/17<br>11:01 |
| S15        | 289    | ((wireless or rf or<br>radio) with<br>communication) and<br>S14                                   | US-PGPUB;<br>USPAT | OR | ON | 2005/10/17<br>11:01 |
| S17        | 70     | S15 and S6  | US-PGPUB;<br>USPAT | OR | ON | 2005/10/17<br>11:02 |
| S18        | 55     | S15 and S7  | US-PGPUB;<br>USPAT | OR | ON | 2005/10/17<br>11:02 |
| S19        | 145    | S15 and S5  | USPAT              | OR | ON | 2005/10/17<br>11:04 |
| S20        | 70     | S15 and S6  | USPAT              | OR | ON | 2005/10/17<br>11:02 |
| S21        | 55     | S15 and S7  | USPAT              | OR | ON | 2005/10/17<br>11:02 |
| S22        | 50     | link with alphabet  | USPAT              | OR | ON | 2005/10/17<br>11:05 |
| S23        | 157    | modulation with alphabet  | USPAT              | OR | ON | 2005/10/17<br>11:05 |

| S24 | 56466   | "375"/\$.ccls.  | US-PGPUB;<br>USPAT | OR | ON   | 2007/06/11<br>11:09 |
|-----|---------|---|--------------------|----|------|---------------------|
| S25 | 1057764 | (transmit or<br>transmitting or<br>transmission or<br>modulate or<br>modulation or<br>modulating)   | USPAT              | OR | ON   | 2007/06/11<br>11:09 |
| S26 | 12278   | alphabet  | USPAT              | OR | ON   | 2007/06/11<br>11:09 |
| S27 | 1267    | S25 same S26  | USPAT              | OR | ON   | 2007/06/11<br>11:09 |
| S28 | 410     | ((wireless or rf or radio) with communication) and \$27   | US-PGPUB;<br>USPAT | OR | ON   | 2007/06/11<br>11:09 |
| S29 | 209     | S28 and S24   | US-PGPUB;<br>USPAT | OR | ON   | 2007/06/11<br>11:09 |
| S30 | 123     | ("20020122408"   "20020146979"   "20020146979"   "20020177465"   "2003003815"   "2003003815"   "20030054814"   "20030054814"   "20030054815"   "20030054815"   "20030149986"   "20030149986"   "20030149986"   "2004012727"   "20040142569"   "20040142660"   "20040129395"   "2004012393"   "20040124727"   "20040142660"   "20040192293"   "2004012373"   "2004012373"   "2004012373"   "20040123742"   "20040123742"   "20050026606"   "20050036606"   "20050074918"   "200500186836"   "20050186836"   "20050186836"   "2005018786"   "2005018786"   "2005018878"   "2005018878"   "20050201449"   "20050201449"   "20050201449"   "20050201449"   "20050201449"   "20050201449"   "20050201449"   "200502014479"   "20050201449"   "200502014479"   "200502014757" | US-PCPUB;<br>USPAT | OR | ON . | 2007/06/15<br>16:58 |

| "200502276"            | 18"                |  |
|------------------------|--------------------|--|
| "2005023939            |                    |  |
| "2005023940            |                    |  |
| "2005023940            |                    |  |
| "2005023945            |                    |  |
| "200502054             |                    |  |
| "200502451             |                    |  |
| "2005026098            |                    |  |
| "2005026527            |                    |  |
| "2005027236            |                    |  |
| "2005027250            |                    |  |
| "200502880             |                    |  |
| "2006004065            |                    |  |
| "4901307"              | "5073900"          |  |
| "5303286"              |                    |  |
| "5339330" I            | <br>"5394561"      |  |
| "5446756"              | 1                  |  |
| "5448623"              | "5511 <b>2</b> 33" |  |
| "5555 <b>2</b> 57"     |                    |  |
| "5584046"              | l<br>"5612703"     |  |
| "5619525"              | 3012703            |  |
| "5631898" I            | "5724666"          |  |
|                        |                    |  |
| "5761605"<br>"5765098" | <br>"5812947"      |  |
| ·                      |                    |  |
| "5832379"<br>"5838857" | I<br>"5848060"     |  |
|                        | . 3                |  |
| "5852721"<br>"5872544" | <br>"5878329"      |  |
|                        | 3070329            |  |
| "5884142"<br>"5907541" | "5926758"          |  |
| "5937332"              | 3920730            |  |
| "5940753" I            | "5991345"          |  |
| "5995832"              | 1                  |  |
| "6011951"              | "6023605"          |  |
| "6052560"              |                    |  |
| "605 <b>2</b> 586"     | l<br>"6067442"     |  |
| "6072430"              | 1                  |  |
| "6085094" I            | "6091933"          |  |
| "6097752"              | 1                  |  |
| "6101385"              | "6108561"          |  |
| "6134437"              | 1                  |  |
| "6157811"              | "6157834"          |  |
| "6160994"              |                    |  |
| "6169878"              | l<br>"6198730"     |  |
| "6198921"              | 1                  |  |
| "6201967" I            | "6233463"          |  |
| "6240124"              | 0233403            |  |
| "6253080"              | "6256497"          |  |
| "6324405"              | 0230497            |  |
| "6339707"              | 1<br>"6418147"     |  |
| "6418316"              | 0410147            |  |
| "6445926"              | "6449461"          |  |
| "6522865"              |                    |  |
| "6526278"              | l<br>"6628919"     |  |
| 1 "6684057"            | 1                  |  |
| "6735437" I            | "6775251"          |  |
| 3.00.07                | J. / OLU .         |  |

|     | *************************************** | "6785543"  <br>"6856787"   "6859652"<br>  "6879829"  <br>"6892068"   "6937857"<br>  "6975837"  <br>"6999720"  <br>"7006789").PN. | annonnamannamannamannamannamannamannama | *************************************** | *************************************** |                     |
|-----|---|--|---|---|---|---------------------|
| S31 | 369183                                  | symbol alphabet  | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/19<br>11:03 |
| S32 | 42                                      | S30 and S31  | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/15<br>16:58 |
| S33 | 872385                                  | (forward (downlink)<br>(down adj link))  | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/19<br>11:03 |
| S34 | 724526                                  | reverse uplink (up adj<br>link)  | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/19<br>11:03 |
| S35 | 3247                                    | S31 same S33 same<br>S34   | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/15<br>17:00 |
| S36 | 0                                       | S30 and S35  | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/15<br>17:00 |
| S37 | 757                                     | (forward (downlink)<br>(down adj link)) with<br>qpsk   | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/18<br>12:08 |
| S38 | 183                                     | (reverse uplink (up adj<br>link)) with qam   | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/19<br>11:03 |
| S39 | 17                                      | S37 same S38   | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/18<br>12:31 |
| S40 | 2056                                    | asymetric asymetrical<br>nonsymetric<br>nonsymetircal (non adj<br>(symetric symetrical))   | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/18<br>12:34 |
| S41 | 14                                      | S40 with (alphabet symbol modulation)  | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/18<br>13:47 |
| S42 | 1                                       | (S40 with (alphabet symbol modulation)).ti.  | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/18<br>12:33 |
| S43 | 170263                                  | asymmetric<br>asymmetrical<br>nonsymmetric<br>nonsymmetrical (non<br>adj (symmetric<br>symmetrical))                             | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/18<br>13:44 |
| S44 | 1871                                    | S43 with (alphabet symbol modulation)  | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/18<br>12:34 |
| S45 | 0                                       | S37 same S38 same<br>S44   | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/18<br>12:36 |
| S49 | 6                                       | S37 and S38 and S44  | US-PGPUB;<br>USPAT                      | OR                                      | ON                                      | 2007/06/18<br>12:36 |

| S50 | 28592  | asymmetric<br>asymmetrical<br>nonsymmetric<br>nonsymmetrical (non<br>adj (symmetric<br>symmetrical))   | DERWENT                        | OR | ON | 2007/06/18<br>13:44 |
|-----|--------|--|--------------------------------|----|----|---------------------|
| S51 | 175693 | (forward (downlink)<br>(down adj link))  | DERWENT                        | OR | ON | 2007/06/18<br>13:45 |
| S52 | 193632 | reverse uplink (up adj<br>link)  | DERWENT                        | OR | ON | 2007/06/18<br>13:46 |
| S53 | 185    | S50 and S51 and S52  | DERWENT                        | OR | ON | 2007/06/18<br>13:46 |
| S54 | 204    | S50 with (alphabet symbol modulation)  | DERWENT                        | OR | ON | 2007/06/18<br>13:47 |
| S55 | 2      | S54 and S51 and S52  | DERWENT                        | OR | ON | 2007/06/18<br>13:47 |
| S56 | 10     | (US-20040192395-\$ or<br>US-20040121740-\$ or<br>US-20030142622-\$ or<br>US-20030045307-\$).<br>did. or (US-6526278-\$<br>or US-E639119-\$ or<br>US-6549759-\$ or US-<br>6049721-\$ or US-<br>5754961-\$).did. or (US-<br>6377817-\$).did.   | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/06/18<br>14:41 |
| S57 | 7      | S56 and (base adj<br>station)  | US-PGPUB;<br>USPAT             | OR | ON | 2007/06/18<br>17:23 |
| S58 | 30     | ("3949404"   "4495619"   "5130983"   "5297144"   "5240851"   "5444698"   "5511082"   "5615212"   "5638371"   "5638374"   "5638374"   "5675573"   "5751708"   "5768254"   "5828895"   "576186895"   "6006069"   "6016311"   "6016313"   "6038455"   "6049566"   "6094421"   "631280"   "6170061"   "634189"   "6437005"   PN. | US PGPUB;<br>USPAT; USOCR      | OR | ON | 2007/06/18<br>14:57 |
| S59 | 1      | (US-20030045307-\$).<br>did.   | US-PGPUB                       | OR | ON | 2007/06/18<br>15:35 |

| S60 | 0      | S59 and (polarize polarized polarized polarization) | US-PGPUB           | OR | ON | 2007/06/18<br>15:37 |
|-----|--------|---|--------------------|----|----|---------------------|
| S61 | 1      | S59 and (code coding decode decoder decoding)       | US-PGPUB           | OR | ON | 2007/06/18<br>15:59 |
| S62 | 0      | S59 and (tdma)                                      | US-PGPUB           | OR | ON | 2007/06/18<br>15:59 |
| S63 | 3580   | tdd   | US-PGPUB           | OR | ON | 2007/06/18<br>16:00 |
| S64 | 1      | tdd and S59   | US-PGPUB           | OR | ON | 2007/06/18<br>16:00 |
| S65 | 74958  | (base adj station)                                  | US-PGPUB;<br>USPAT | OR | ON | 2007/06/18<br>17:23 |
| S66 | 46544  | (base adj station)                                  | DERWENT            | OR | ON | 2007/06/18<br>17:24 |
| S67 | 7569   | diversity   | DERWENT            | OR | ON | 2007/06/18<br>17:24 |
| S68 | 66602  | polarize polarized<br>polarization                  | DERWENT            | OR | ON | 2007/06/18<br>17:24 |
| S69 | 46     | S66 same S67 same<br>S68                            | DERWENT            | OR | ON | 2007/06/18<br>17:24 |
| S70 | 1      | (US-20040192395-\$).<br>did.                        | US-PGPUB           | OR | ON | 2007/06/18<br>18:17 |
| S71 | 12     | mobile with diversity<br>with relay                 | US-PGPUB           | OR | ON | 2007/06/21<br>08:30 |
| S72 | 803    | 455/452.2.ccls.                                     | US-PGPUB;<br>USPAT | OR | ON | 2007/06/19<br>11:01 |
| S73 | 848    | 455/452.1.ccls.                                     | US-PGPUB;<br>USPAT | OR | ON | 2007/06/19<br>11:01 |
| S74 | 2352   | 455/450.ccls.                                       | US-PGPUB;<br>USPAT | OR | ON | 2007/06/19<br>11:01 |
| S75 | 140    | 455/451.ccls.                                       | US-PGPUB;<br>USPAT | OR | ON | 2007/06/19<br>11:01 |
| S76 | 894    | 455/453. <b>ccl</b> s.                              | US-PGPUB;<br>USPAT | OR | ON | 2007/06/19<br>11:02 |
| S77 | 1603   | 455/562.1.ccls.                                     | US-PGPUB;<br>USPAT | OR | ON | 2007/06/19<br>11:02 |
| S78 | 5430   | S72 S73 S74 S75 S76<br>S77                          | US-PGPUB;<br>USPAT | OR | ON | 2007/06/19<br>11:02 |
| S79 | 872862 | (forward (downlink)<br>(down adj link))             | US-PGPUB;<br>USPAT | OR | ON | 2007/06/19<br>11:03 |
| S80 | 724879 | reverse uplink (up adj<br>link)                     | US-PGPUB;<br>USPAT | OR | ON | 2007/06/19<br>11:03 |
| S81 | 369424 | symbol alphabet                                     | US-PGPUB;<br>USPAT | OR | ON | 2007/06/19<br>11:03 |
| S82 | 959    | S79 with S80 with S81                               | US-PGPUB;<br>USPAT | OR | ON | 2007/06/19<br>11:04 |

| S83 | 38     | S78 and S82   | US-PGPUB;<br>USPAT | OR | ON | 2007/06/19<br>11:04 |
|-----|--------|---|--------------------|----|----|---------------------|
| S84 | 41     | larsson-p\$.in.   | US-PGPUB           | OR | ON | 2007/06/21<br>08:34 |
| S85 | 13     | (relay) same diversity<br>same (combined<br>combine combiner) | US-PGPUB           | OR | ON | 2007/06/21<br>08:38 |
| S86 | 134    | (relay) same mobile<br>same (combined<br>combine combiner)    | US-PGPUB           | OR | ON | 2007/06/21<br>08:35 |
| S87 | 1      | (US-20010036810-\$).<br>did.                                  | US-PGPUB           | OR | ON | 2007/06/21<br>08:38 |
| S88 | 542709 | diversity combined combine combine                            | US-PGPUB           | OR | ON | 2007/06/21<br>08:38 |
| S89 | 1      | S87 and S88   | US-PGPUB           | OR | ON | 2007/06/21<br>08:38 |

5/ 27/ 2008 4:13:15 AM H:\ East Backup\ 10795875.w sp